Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-41. (Canceled) 1 (Currently amended) A method for determining whether a test colon cell 1 42. has an ulcerative colitis (UC) or Crohn's disease (CD) inflammatory bowel disease (IBD) 2 phenotype, said method comprising: 3 (a) determining an expression level of each of the following genes in said test colon cell: 4 (i) a macrophage inflammatory protein- 2β (GRO3) gene; 5 (ii) a neutrophil lipocalin (HNL) gene; 6 (iii) a macrophage elastase (MMP-12) gene; 7 (iv) an elastase specific inhibitor (elafin) gene; and 8 (v) a type VI collagen α3 chain (COL6A3) gene; 9 (b) comparing the expression level of each of said GRO3, HNL, MMP-12, elafin, and 10 COL6A3 genes in said test colon cell to an expression level of the same gene in a normal colon 11 cell; and 12 (c) associating an increase in the expression level of each any of said GRO3, HNL, 13 MMP-12, elafin, and COL6A3 genes in said test colon cell relative to the expression level of the 14 same gene in said normal colon cell with a UC an IBD phenotype in said test colon cell; and 15 (d) associating an increase in the expression level of each of said MMP-12 and elafin 16 genes in said test colon cell relative to the expression level of the same gene in said normal 17 colon cell and a normal expression level of each of said GRO3, HNL, and COL6A3 genes 18 19 with a CD phenotype in said test colon cell. 1 43-45. (Canceled)

Appl. No. 09/694,758 Amdt. dated February 19, 2009 Reply to Office Action of August 20, 2008

1	46. (Currently amended) The method of claim 42, wherein said test colon cell
2	has a UC an IBD phenotype when the expression level of each any of said GRO3, HNL, MMP-
3	12, elafin, and COL6A3 genes in said test colon cell is increased relative to the expression level
4	of the same gene in said normal colon cell by at least a factor of two.
1	47. (Previously presented) The method of claim 42, wherein said test colon
2	cell is obtained from a needle biopsy core, a surgical resection sample, or a bowel sample.
1	48. (Previously presented) The method of claim 42, wherein the expression
2	level of said genes is determined using Northern blot analysis, reverse transcription-polymerase
3	chain reaction, in situ hybridization, or an array.
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1	49. (Previously presented) The method of claim 48, wherein said array
2	comprises:
3	(a) nucleic acid probes of 12-40 nucleotides in length, wherein said nucleic acid probes
4	are complementary to said genes and hybridize under high stringency conditions to said genes;
5	and
6	(b) a substrate to which said nucleic acid probes are bound.
1	50. (Previously presented) The method of claim 49, wherein said substrate is
2	selected from the group consisting of paper, membranes, filters, chips, pins, and glass.
1	51. (Previously presented) The method of claim 49, wherein said nucleic acid
2	probes are bound to said substrate by covalent bonds or hydrophobic interactions.
1	52. (Previously presented) The method of claim 49, wherein said nucleic acid
2	probes are spotted onto said substrate in a two-dimensional matrix or array.
1	53-56. (Canceled)